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	Document ID	Issue Date	Pages	Title	Current OR	Current XRef
μ.	us 6200785 B1	20010313	14	I-lysine-producing corynebacteria and process for the preparation of	435/115	435/252.32 ; 435/320.1
2	US 6180662 B1	20010130		against and hypoactiv n	514/456	514/152 ; 514/457 ; 514/858 ; 514/859 ; 514/860 ; 514/861
			`	conditions and manifest dermatitides		514/86 514/86 514/86
ω	US 6171833 B1	20010109		Pyruvate carboxylase from corynebacterium glutamicum	435/183	/252. 35/32 35/32 36/6 36/23
4	US 6165500 A	20001226		Preparation for the application of agents in mini-droplets	424/450	4/94.3 428/402
J	US 6022729 A	20000208		Granule-associated proteins and methods for their use in polyhydroxyalkanoate biosynthesis	435/252.3	5/25 435/ 435/ 435/ 536/
0	US 5985617 A	19991116		Microorganisms and methods for overproduction of DAHP by cloned PPS gene	435/72	/10 35/ 36/ 36/
7	US 5952373 A	19990914		Agents acting against hyperreactive and hypoactive, deficient skin conditions and manifest dermatitides	514/456	514/152 ; 514/457 ; 514/858 ; 514/859 ; 514/860 ; 514/861 ; 514/863 ; 514/864

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7 A 19990810 6 A 19990803 5 A 19990525 5 A 19980616 5 A 19961112		Document ID	Issue Date	Pages	Title	Current OR	Current XRef
Compositions and methods for   S14/439   S14/439   S14/439   S14/439   S14/439   S14/439   S14/462   S14		- 1					14/23
US 5935927 A   19990810   Compositions and methods for stimulating amyloid removal in amyloidogenic diseases using advanced glycosylation   514/12   514/91   530/300   514/91   514/91   514							4/43
US 5935927 A 19990810   Compositions and methods for stimulating amyloid removal   514/642   514/642   514/643   514/643   514/643   514/643   514/643   514/643   514/645   514/647   5							4/43
US 5935927 A							4/44
US 5935927 A 19990810  US 5935927 A 19990810  In  amyloid gamyloid removal in  amyloidogenic diseases sti4/12 sti4/91 using advanced glycosylation endproducts  514/12 sti4/91 in  amyloidogenic diseases sti4/91 sti4					35 L M 0 + 5 0 L M 10 10 10 10 10 10 10 10 10 10 10 10 10		L4/56
US 5935927 A 19990810 amyloidogenic diseases sit 14/12 ; 514/79 ; 514/79 samyloidogenic diseases sit 14/12 ; 514/79 samyloidogenic diseases sit 14/12 ; 514/91 samyloidogenic diseases sit 14/12 ; 514/95 samyloidogenic diseases sit 14/12 ; 530/330 samyloidogenic diseases sit 14/12 ; 530/300 samyloidogenic diseases sit 14/12 ; 536/1.11 ; 536/1.11 ; 536/21 samyloidogenic diseases sit 14/12 ; 536/1.11 ; 536/21 samyloidogenic diseases sit 14/12 ; 536/10 samyloidogenic diseases sit 14/12 ; 536/21 ; 536/21 samyloidogenic diseases sit 14/12 ; 536/21 samyloidogenic diseases sit 14/12 ; 534/95 samyloidogenic diseases samyloidogeni					levomen biolome		14/64
US 5935927 A       19990810       III       amyloidogenic diseases using advanced glycosylation endproducts       514/19 ; 514/79 ; 514/79 ; 514/79 ; 514/79 ; 514/79 ; 514/95 ; 514/95 ; 530/300 endproducts       530/300 ; 530/300 ; 530/300 ; 530/300 ; 530/300 ; 530/300 ; 530/300 ; 530/300 ; 530/300 ; 530/300 ; 530/300 ; 530/300 ; 548/100 ; 548/100 ; 548/100 ; 548/100 ; 548/100 ; 548/100 ; 548/121					ашутота тешота		14/64
amyloidogenic diseases   514/91	Ö	5935927	19990810			514/12	14/7
Us 5932536 A   19990803	C		) () ()		emyloidogenic dispases		14/9
### 1990803   Compositions for   1990803   19990803   19990727   Compositions for   19990727   100					advanced		14/95
US 5932536 A 19990803   Compositions for   1424/50   1548/121   1435/200   19990525   19980616   Method of producing L-lysine   435/252.33   435/210   435/2				•	oducts		30/30
US 5932536 A 19990803				•••••			36/1.1
US 5932536 A 19990803		-		•••••			48/100
US 5932536 A 19990803			•••••	•••••			48/12
US 5932536 A 19990803   Compositions for   514/2   514/12   514/12   514/12   514/12   514/12   514/12   514/2   514/12   514/2   514/2   514/2   514/21   5				•••••			48/12
US 5932536 A       19990803       Incurralization of Inpopolysaccharides       514/2       ; 514/12         0 US 5928624 A       19990727       Compositions for neutralization of Inpopolysaccharides       424/9.1       ; 436/501         1 US 5906925 A       19990525       Microorganisms and methods for overproduction of DAHP by cloned pps gene       435/108         2 US 5766925 A       19980616       Method of producing L-lysine producing L-lysine       435/252.32       ; 435/252.32         3 US 5573945 A       19961112       Mutant and method for producing L-glutamic acid by fermentation       435/252.33       ; 435/244					h		24/450
US 5932536 A       1990803       lipopolysaccharides       ; 514/21         0 US 5928624 A       19990727       Compositions for neutralization of lipopolysaccharides       424/9.1       ; 436/501         1 US 5906925 A       19990525       Microorganisms and methods for overproduction of DAHP by cloned pps gene       435/708       ; 435/200         2 US 5766925 A       19980616       Method of producing L-lysine producing L-lysine producing L-glutamic acid by fermentation       435/252.32       ; 435/252.32         3 US 5573945 A       19961112       Mutant and method for producing L-glutamic acid by fermentation       435/252.33       435/100		1	) ) ) )	•••••	Compositions for	514/2	14/1
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US 5928624 A       19990727       Compositions for neutralization of neutralization of 1 popolysaccharides       424/9.1       ; 436/71 ; 436/811         US 5906925 A       19990525       Microorganisms and methods for overproduction of DAHP by cloned pps gene       ; 435/200 ; 536/23.7       ; 536/23.7         US 5766925 A       19980616       Method of producing L-lysine producing L-lysine producing L-glutamic acid by fermentation       435/252.32       ; 435/110 ; 536/23.2				•••••	+ + C		230/32
US 5928624 A       19990727       neutralization of lipopolysaccharides       424/9.1       ; 436/811         US 5906925 A       19990525       Microorganisms and methods for overproduction of DAHP by cloned pps gene       ; 435/200       ; 536/23.7         US 5766925 A       19980616       Method of producing L-lysine producing L-lysine       435/252.32       ; 536/24.1         US 5573945 A       19961112       Mutant and method for producing L-glutamic acid by fermentation       435/252.33       435/110					ons f		36/50
US 5906925 A   19990525   Microorganisms and methods   435/108   435/200   435/200   435/200   536/23.7   536/23.7   536/23.7   536/23.7   536/23.7   536/23.7   536/23.7   536/23.7   536/23.7   536/23.1   536/23.2   53	2	5928624	19990727	•••••	neutralization of	24/9.	36/7
US 5906925 A       19990525       Microorganisms and methods for overproduction of DAHP by 435/72       435/200 ; 435/200 ; 536/23.7         US 5766925 A       19980616       Method of producing L-lysine producing L-lysine producing L-lysine producing L-glutamic acid by fermentation       435/252.32       435/252.32       435/252.32       356/23.2         US 5573945 A       19961112       Mutant and method for producing L-glutamic acid by fermentation       435/252.33       435/110 producing L-glutamic acid by fermentation	F-	777	; ; ;	•••••	lipopolysaccharides		436/81
US 5906925 A       19990525       Microorganisms and methods for overproduction of DAHP by 435/72       435/200 ; 536/23.7         US 5766925 A       19980616       Method of producing L-lysine producing L-lysine producing L-glutamic acid by fermentation       435/252.32 ; 435/252.32       435/110 ; 536/23.2							35/10
US 5906925 A       19990525       for overproduction of DAHP by 435/72       ; 536/23.7         US 5766925 A       19980616       Method of producing L-lysine       435/252.32       ; 435/252.32       ; 536/23.2         US 5573945 A       19961112       Mutant and method for producing L-glutamic acid by fermentation       435/252.33       ; 435/244					and methods	) 1	435/2
US 5766925 A 19980616 Method of producing L-lysine 435/252.32 ; 435/190 ; 536/23.2 US 5573945 A 19961112 Mutant and method for producing L-glutamic acid by 435/252.33 ; 435/244 fermentation	11	5906925	19990525		overproduction of DAHP	$\frac{\omega}{5}$	36/23.
US 5766925 A 19980616 Method of producing L-lysine 435/252.32 ; 435/252. What is a series of the producing L-lysine 435/252.32 ; 435/23.2 ; 536/23.2 ; 53			••••••	••••••	sdd		36/24.
US 5766925 A       19980616       Method of producing L-lysine       435/252.32       ; 435/252.         ; 536/23.2       ; 536/23.2       ; 536/23.2         US 5573945 A       19961112       Mutant and method for producing L-glutamic acid by fermentation       435/252.33       435/110							5/19
## US 5573945 A 19961112   Mutant and method for producing L-glutamic acid by 435/252.33	ა -	5766925	19980616	••••••	of producing L-l	35/252.	435/252.
3 US 5573945 A 19961112 Mutant and method for producing L-glutamic acid by 435/252.33 ; 435/24	7		) () ()		,		36/23.
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		EP 1108790 A2			US 4757009 A		US 4980285 A			US 5175108 A	Document ID
		20011001			19880712	·	19901225			19921229	Issue Date
											Pages
Taerretty rid ridiorogous gene	expression profile or pattern of a gene and	mutation point of a gene, measuring expression of a	using said bacteria Novel polynucleotides derived from Coryneform bacteria, for identifying	producing amino acids	therein, bacteria carrying said recombinant DNA and a process for	Recombinant DNA having a phosphoenol pyruvate carboxylase gene inserted	Method for producing L-amino acids		therefrom	Plasmids from corynebacterium glutamicum and plasmid vectors derived	Title
					435/106		435/108			435/252.32	Current OR
					; 435/320.1 ; 435/840 ; 435/843	/109 35/252.	69.1 71.1 840 23.2 23.7	/115 35/170 35/252		435/320.1 ; 435/843	Current XRef

	Document ID	Issue Date	Pages	Title	Current OR	Current XRef
18	EP 1083225 A1	20010910		New coryneform bacteria overexpressing the pyc gene encoding pyruvate		
				carboxylase, useful for producing D-pantothenic acid		
)	1067193	0		Coryneform bacteria for high level production of lysine, useful as feed		
H		20010/16		additive, overexpresses the pyc and at least one other gene, e.g. dapA,		
) )	6200785			Coryneform bacteria for high level production of lysine, useful as feed		
N C		7001071		additive, overexpresses the lysE and at least one other gene,		
				particularly dapA		
				Novel nucleic acid encoding pyruvate carboxylase from Corynebacterium		
21	B1	20010326		glutamicum, for replenishing oxaloacetate consumed during lysine and		
				glutamic acid production industrial fermentations		

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	OF LLLY688/ A			WO 9953035		MO 200039305 A1			A 2000201692		Document ID
	19990/2/	) ) ) ) ) )		20010226		20001211			20000725		Issue Date
											Pages
MICH SUDSCIACE	<pre>phosphoenol-pyruvate carboxylase gene recombinant microbe anaerobically</pre>	Preparation of organic acid e.g. succinic acid - comprises reacting	produce oxaloacetate derived organic acids for e.g. pharmaceuticals	Metabolically engineered bacterial cell used in fermentation processes to	specific nucleotide	carboxylase useful for industrial fermentation processes comprises a	Productivity Novel polynucleotides encoding Corynebacterium glutamicum pyruvate	l-glutamic acid	which has impoved intracellular pyruvate carboxylase activity and has	Preparation of L-glutamic acid comprises fermenting a Coryneform microbe	Title
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26	US 5876983 A	19990302		Variant of phospho-enol pyruvate carboxylase - not substantially inhibited		
				by aspartic acid, is used for efficient production of amino acids		
) 	0 0 0 0 0	2000		Deoxyribonucleic acid fragment, for L-aminoacid - obtd. from corynebacteri		
27	EP 358940 A	19900321		um glutamicum strain coding for phospho-enol-pyruvate carboxylase		
				Tryptophan, tyrosine or phenylalanine microbial prodn using strains		
N 80	US 5484716 A	19960116		of coryneform, glutamate producing bacteria which are deficient		
				in phosphoenol pyruvate carboxylase, providing higher		
١.				New DNA fragment and recombinant molecules - contg. gene for phospho:enol		
29	FR 2581653 A	19861114		pyruvate carboxylase from corynebacterium useful for increasing		
				yield of amino acid or nucleic acid		

.,	Document ID	Issue Date	Pages	Title	Current OR	Current XRef
ω 0	US 4980285 A	19901225		Fermentative prodn. of amino acids - using Coryneform bacteria transformed		
(				with two recombinant Plasmid(s) contg. enzyme genes		
				Recombinant DNA contg. phospho:enol pyruvate		
		1		phospho:enol pyruvate carboxylase gene -		
ω 1	US 4757009 A	19880712		useful in corynebacterium and brevibacterium bacteria for improved		
				aminoacid prodn		